

# ABSTRACT

It is to propose an internal member for a plasma treating vessel having excellent resistances to chemical corrosion and plasma erosion under an environment containing a halogen gas and an advantageous method of producing the same, which is a member formed by covering a surface of a substrate with a multilayer composite layer consisting of a metal coating formed as an undercoat,  $\text{Al}_2\text{O}_3$  film formed on the undercoat as a middle layer and  $\text{Y}_2\text{O}_3$  sprayed coating formed on the middle layer as a top coat.

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